

Appl. No. 09/779,791
Amdt. dated June 30, 2005
Reply to Office action of April 6, 2005

AMENDMENTS TO THE CLAIMS

In the claims, please amend claim 1 as follows:

1. (currently amended) A compound for delivering a molecule from outside a mammalian cell to inside said mammalian cell comprising: said molecule covalently linked to a transduction signal via an activated disulfide bond that is cleaved more rapidly than oxidized glutathione wherein said transduction signal transports said molecule across a membrane of said cell and cleavage of said disulfide bond in said cell ~~enhances retention of said molecule inside said cell~~ eliminates subsequent transport of said molecule across said membrane by the transduction signal.
2. (previously presented) The compound of claim 1 wherein the transduction signal consists of a peptide with sequence substantially identical to SEQ ID 1.
3. (original) The compound of claim 1 wherein the transduction signal consists of VP22.
4. (original) The compound of claim 1 wherein the transduction signal consists of ANTP.
5. (original) The compound of claim 1 wherein the transduction signal consists of a polymer containing a cationic charge.
6. (previously presented) The compound of claim 5 wherein the transduction signal consists of a peptide containing cationic residues.
- 7-12. (canceled)
13. (previously presented) The compound of claim 1 wherein said molecule is associated with a nucleic acid.